

Title (en)
WEIGHTED RANDOM PATTERN TEST USING PRE-STORED WEIGHTS

Title (de)
GEWICHTETER ZUFALLSMUSTERTEST MIT VORGESPEICHERTEN GEWICHTEN

Title (fr)
TEST ALEATOIRE ET PONDERE DE MOTIFS AU MOYEN DE PONDERATIONS PREENREGISTREES

Publication
EP 1348134 B1 20051019 (EN)

Application
EP 01991603 A 20011218

Priority
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Abstract (en)
[origin: WO02052288A2] An apparatus and method of testing an integrated circuit by downloading a sequence of randomly weighted bits into a scan chain in which each bit has a distinctly determined weight generated in real-time by a weight generator. The weight generator has a switch controlled by a stored bit particular for each bit of the randomly weighted bits that determined the weight of the bit. The control signal is stored in a memory that is downloaded into the switch in synchronization with the generation of the bit. Preferably, the memory is on-die, and furthermore is a part of the integrated circuit.

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G01R 31/3185

IPC 8 full level
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